

Figure 1

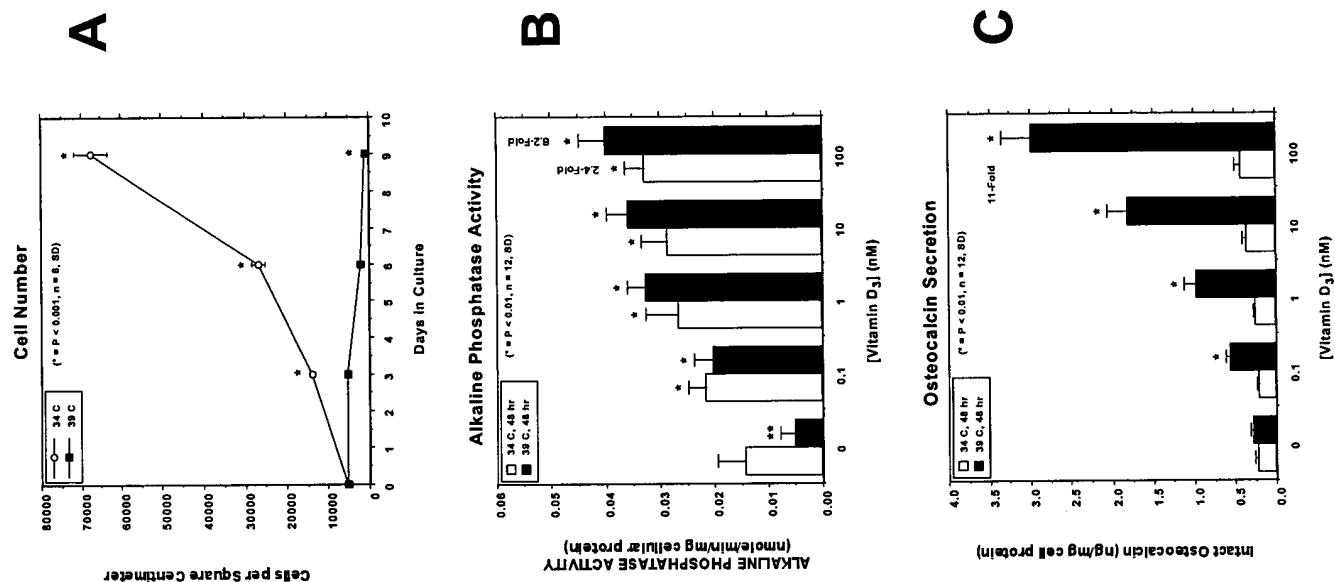


Figure 2

**Regulation of Intracellular cAMP Levels
by Parathyroid Hormone in the HOB-01-C1-PS-09 Cells**

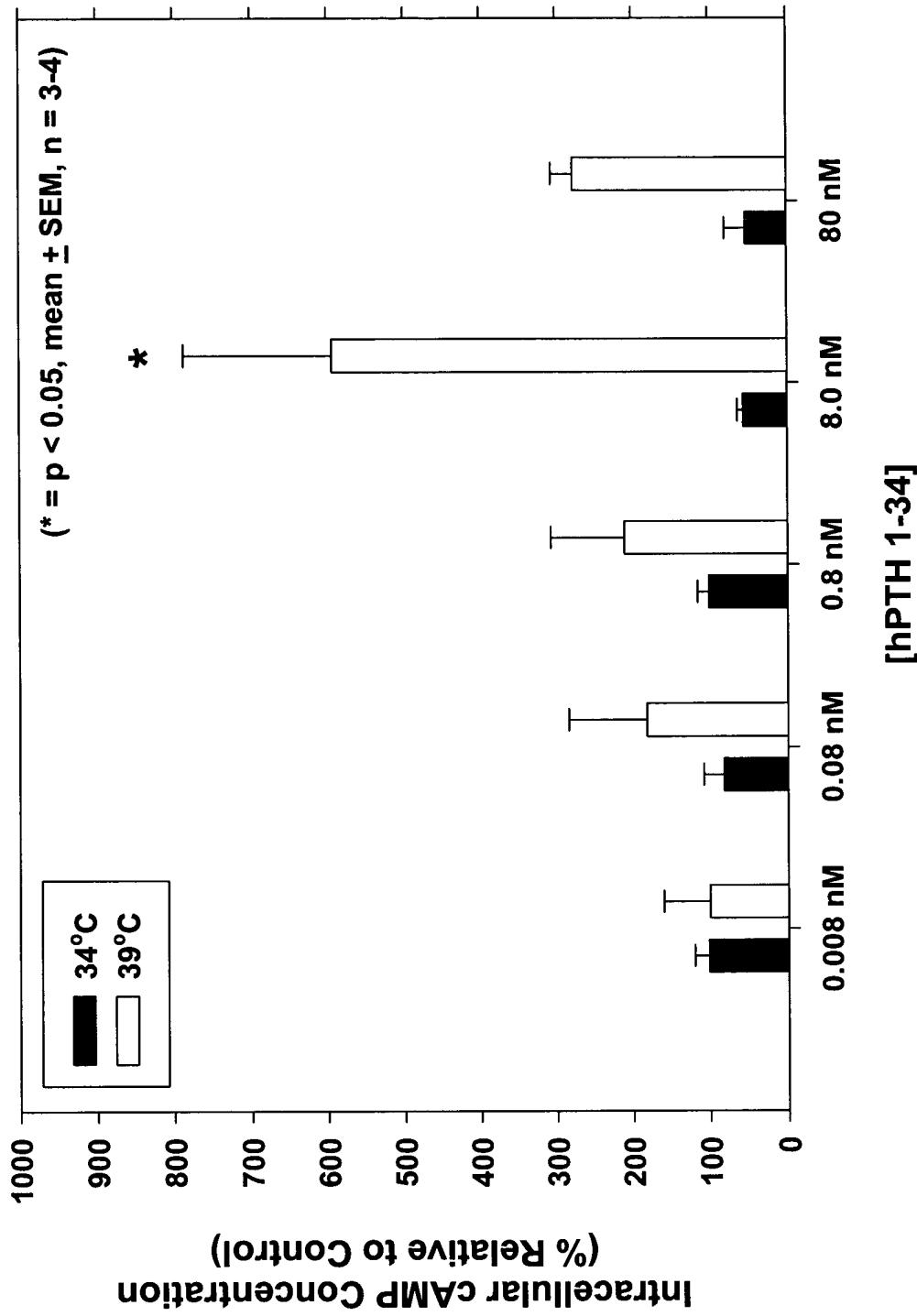


Figure 3

Regulation of Alkaline Phosphatase Activity by Dexamethasone in the HOB-01-C1-PS-09 Cells

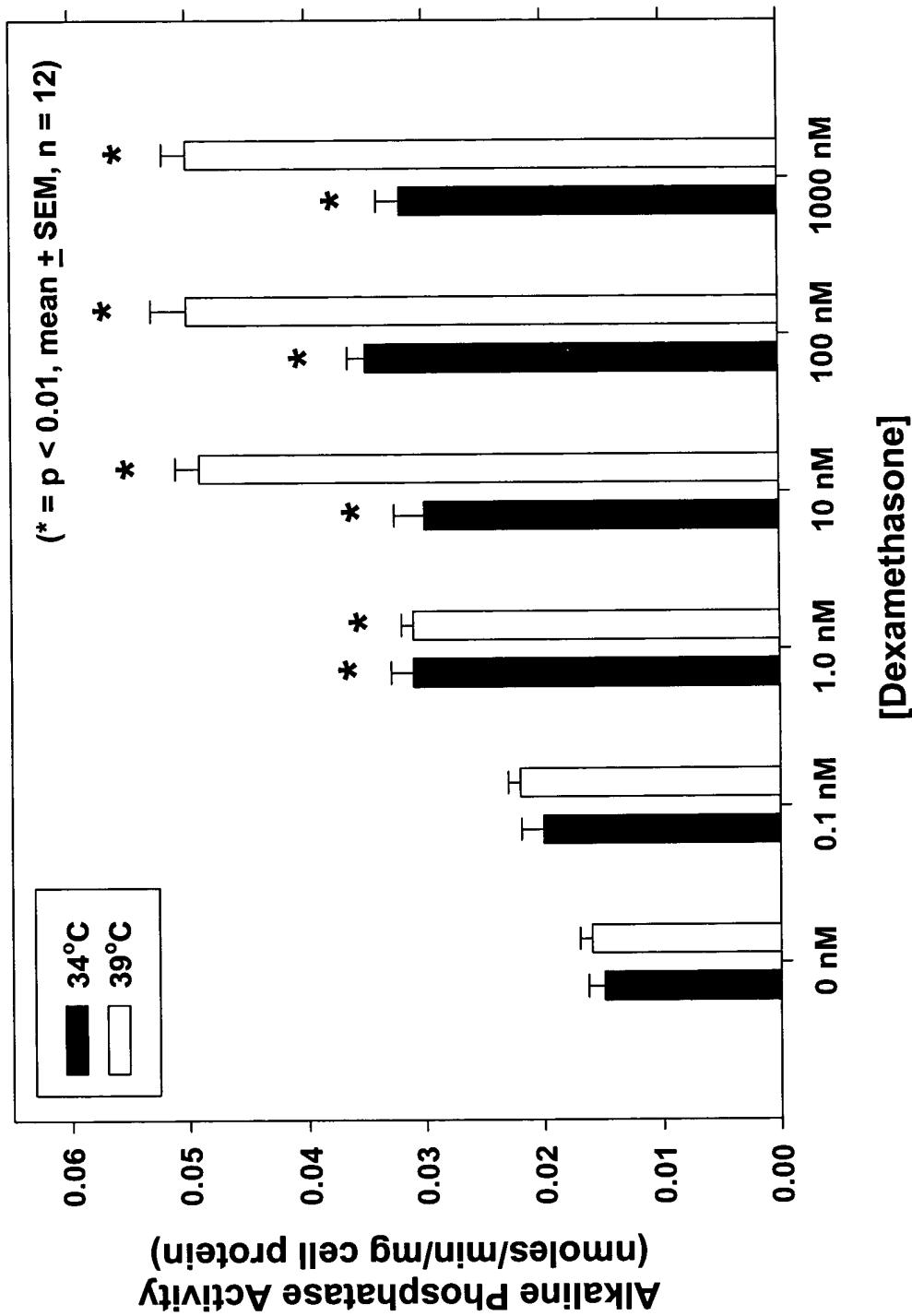


Figure 4: Osteogenic RADE Confirmation: SFRP poly(A)+ RNA Multiple Tissue Northern Blot (Excised RADE Fragment as Probe)

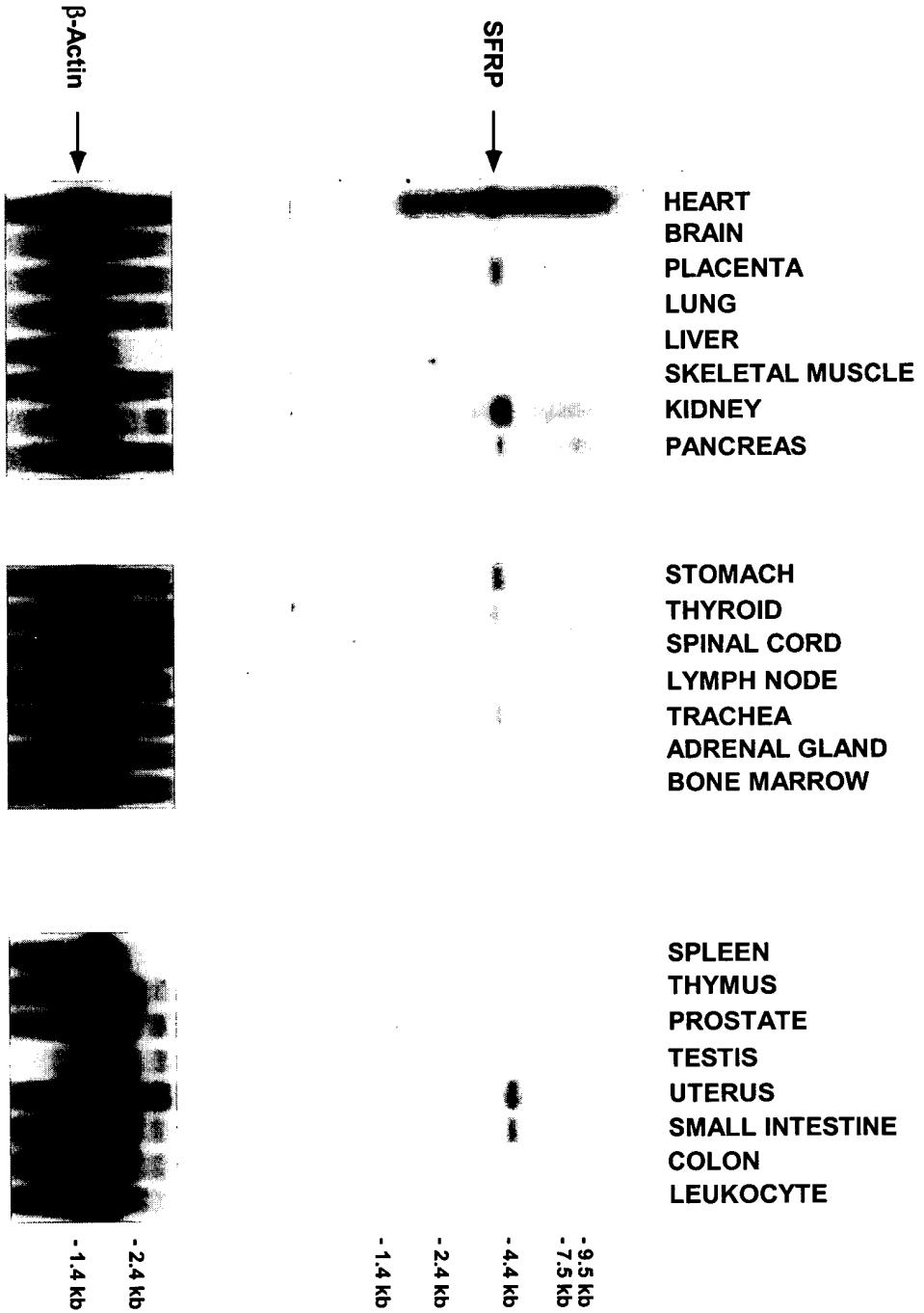


Figure 5: Osteogenic RAGE Confirmation: SFRP poly (A)+ RNA Northern Blot (Probed with Cloned 1.1 kb Fragment)

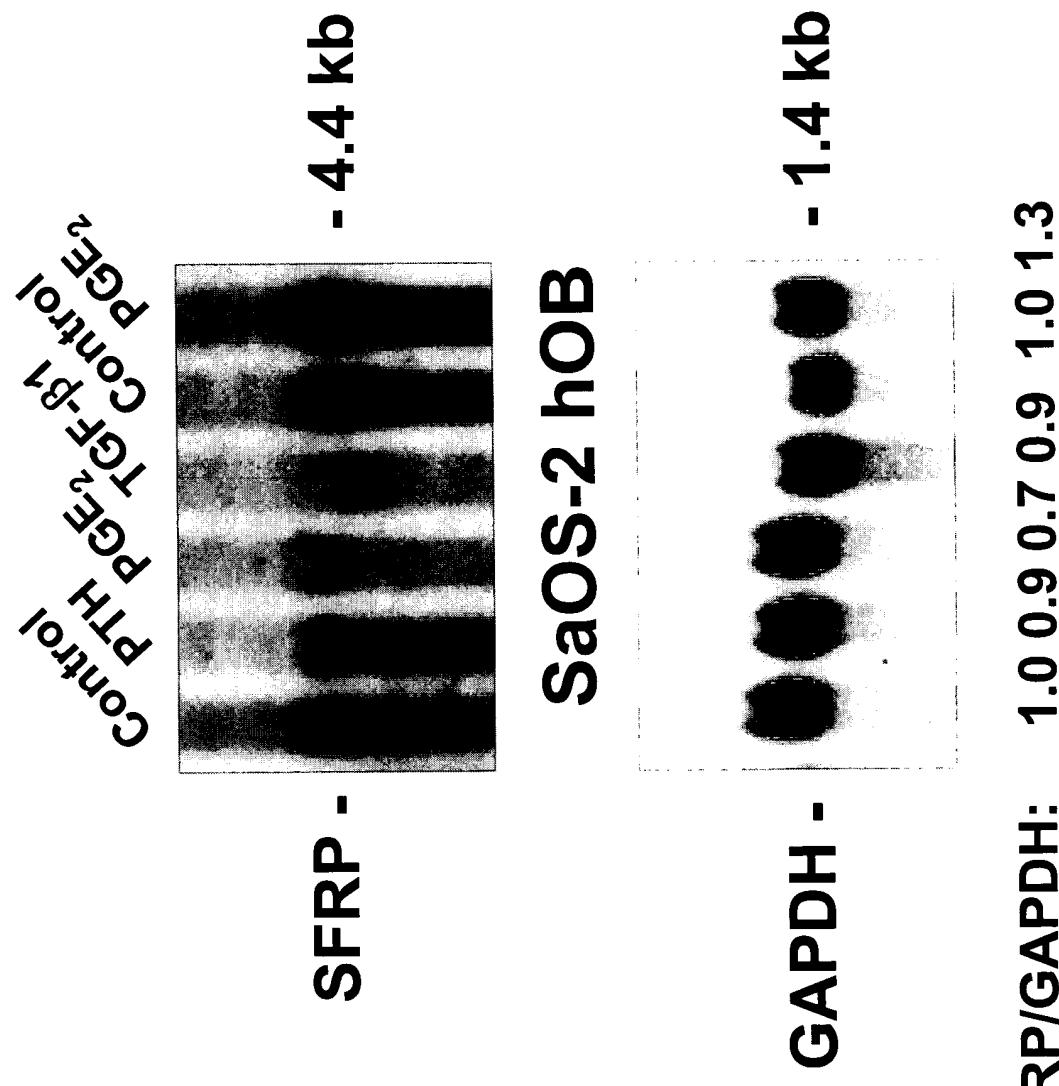
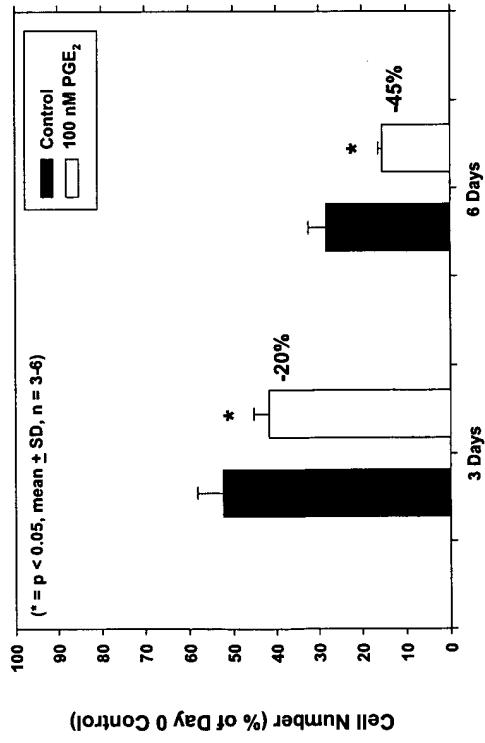
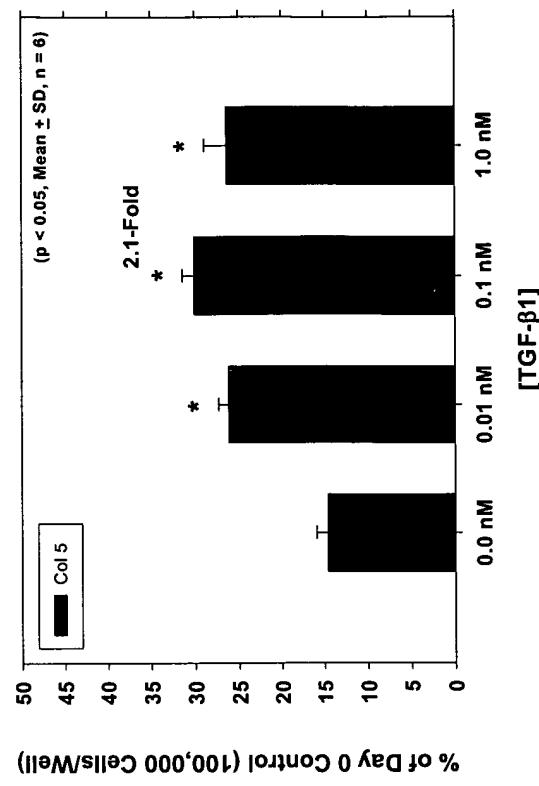


Figure 6

A Effect of PGE₂ Treatment on HOB-03-C5 Cell Viability



C TGF- β 1 Treatment Increases HOB-01-C1 Cell Viability



B Effect of PGE₂ Treatment on HOB-03-CE6 Cell Viability

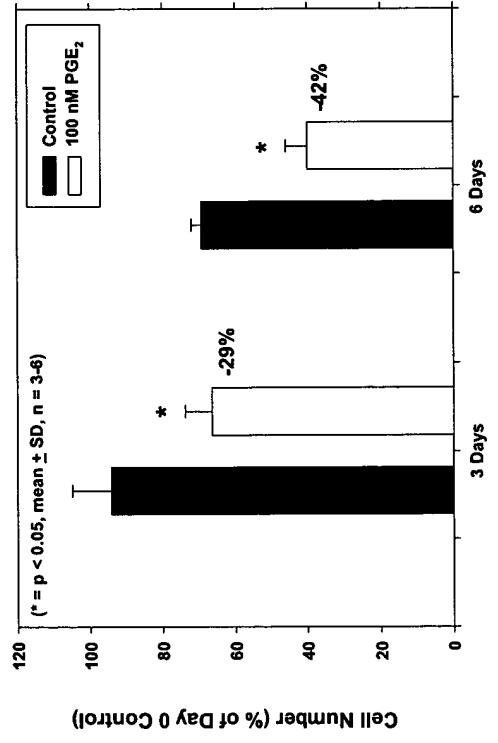
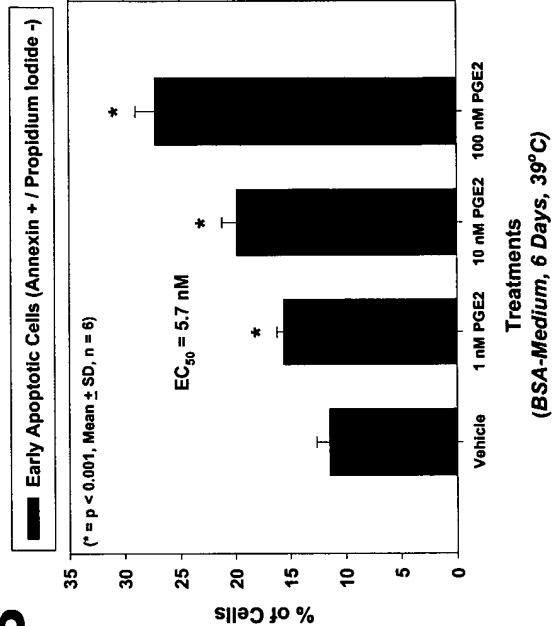


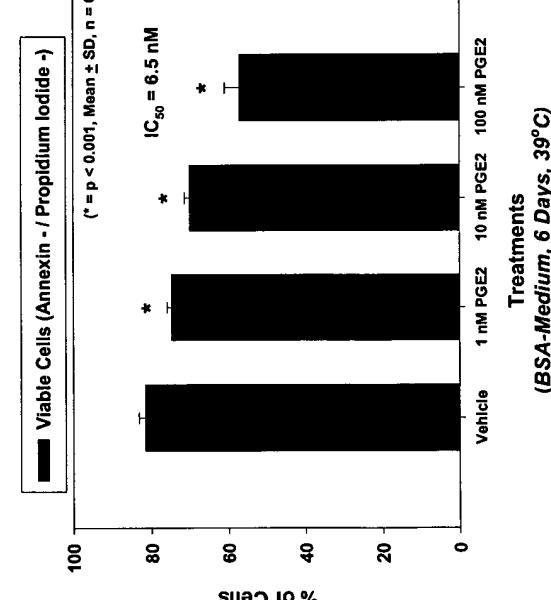
Figure 7

Effect of PGE₂ on Proliferative-Stage HOB-03-C5 Cell Apoptosis

Ann V-FITC Apoptosis Assay (Flow Cytometry)
Proliferative-Stage HOB-03-C5 Cells Treated with PGE₂,



Annexin V-FITC Apoptosis Assay (Flow Cytometry)
Proliferative-Stage HOB-03-C5 Cells Treated with PGE₂,



Annexin V-FITC Apoptosis Assay (Flow Cytometry)
Proliferative-Stage HOB-03-C5 Cells Treated with PGE₂,

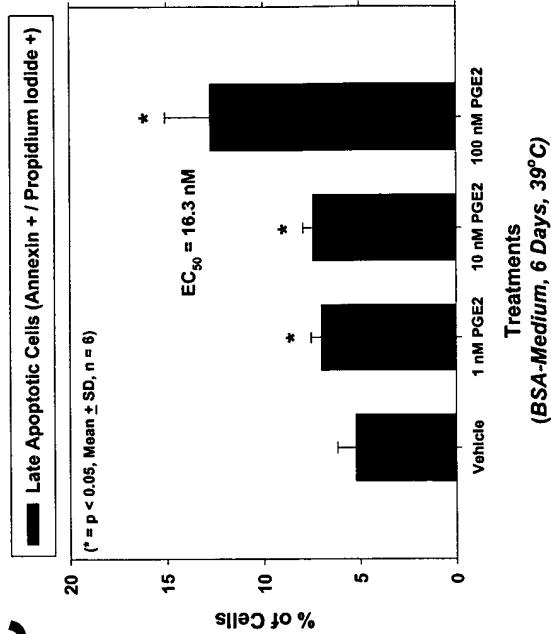
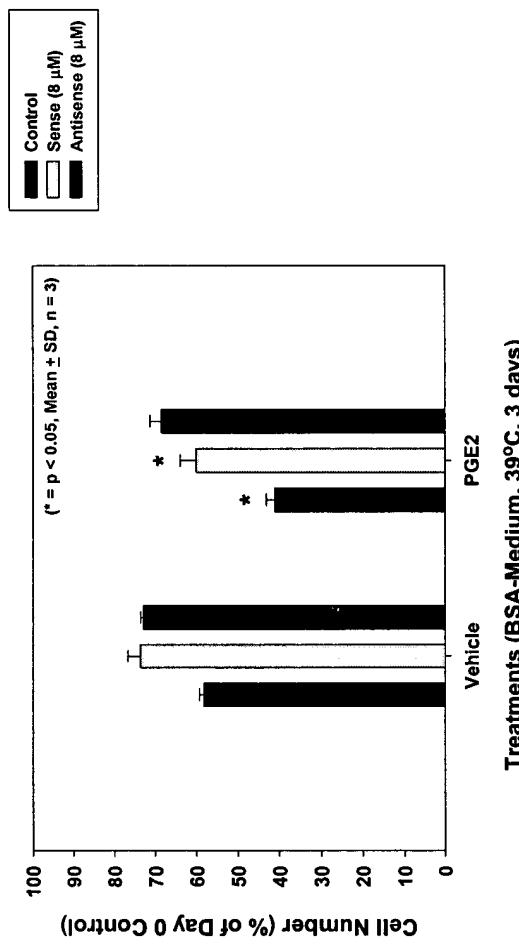


Figure 8

An Initiation Site-Directed Antisense Oligonucleotide for SARP-2 Reverses the Induction of Cell Death by PGE₂ in HOB-03-C5 Cells

A



An Initiation Site-Directed Antisense Oligonucleotide for SARP-2 Reverses the Induction of Cell Death by PGE₂ in HOB-03-CE6 Cells

B

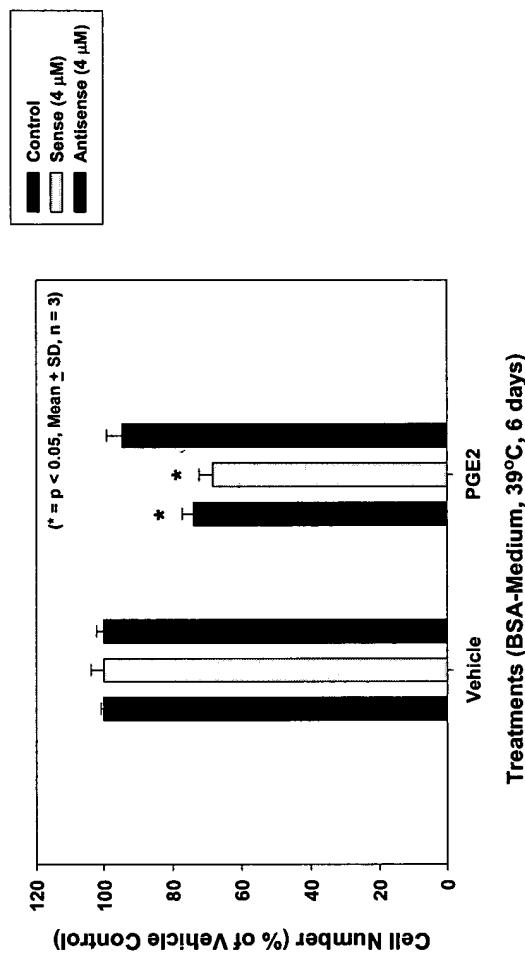
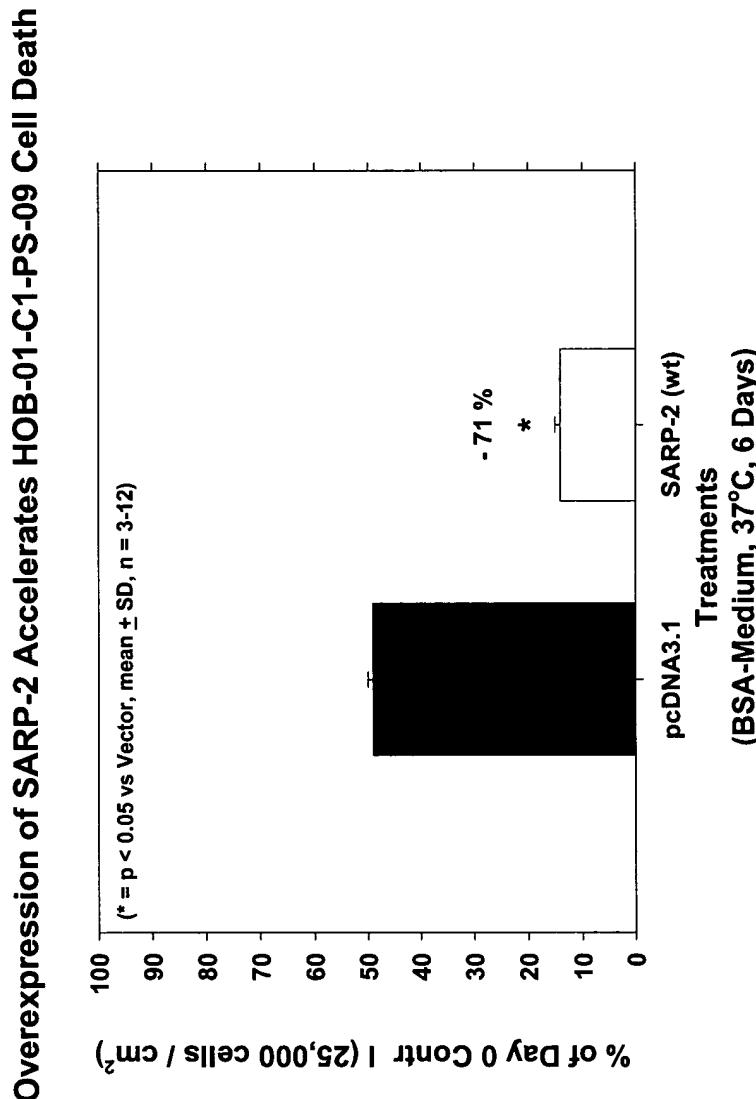


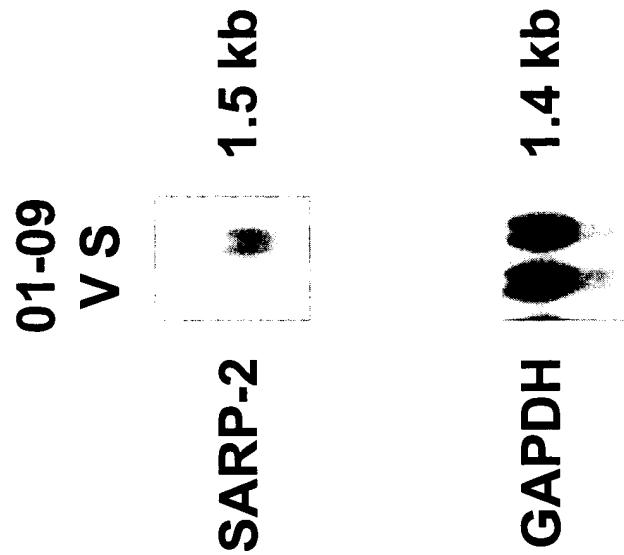
Figure 9

SARP-2 Overexpression Accelerates HOB Cell Death *In Vitro Target Validation*

A



B Poly (A)+ RNA Northern Blot



(Cell Number Determined by the Coulter Counter)

Figure 10

SARP-2 Overexpression Accelerates HOB Cell Death *In Vitro Target Validation*

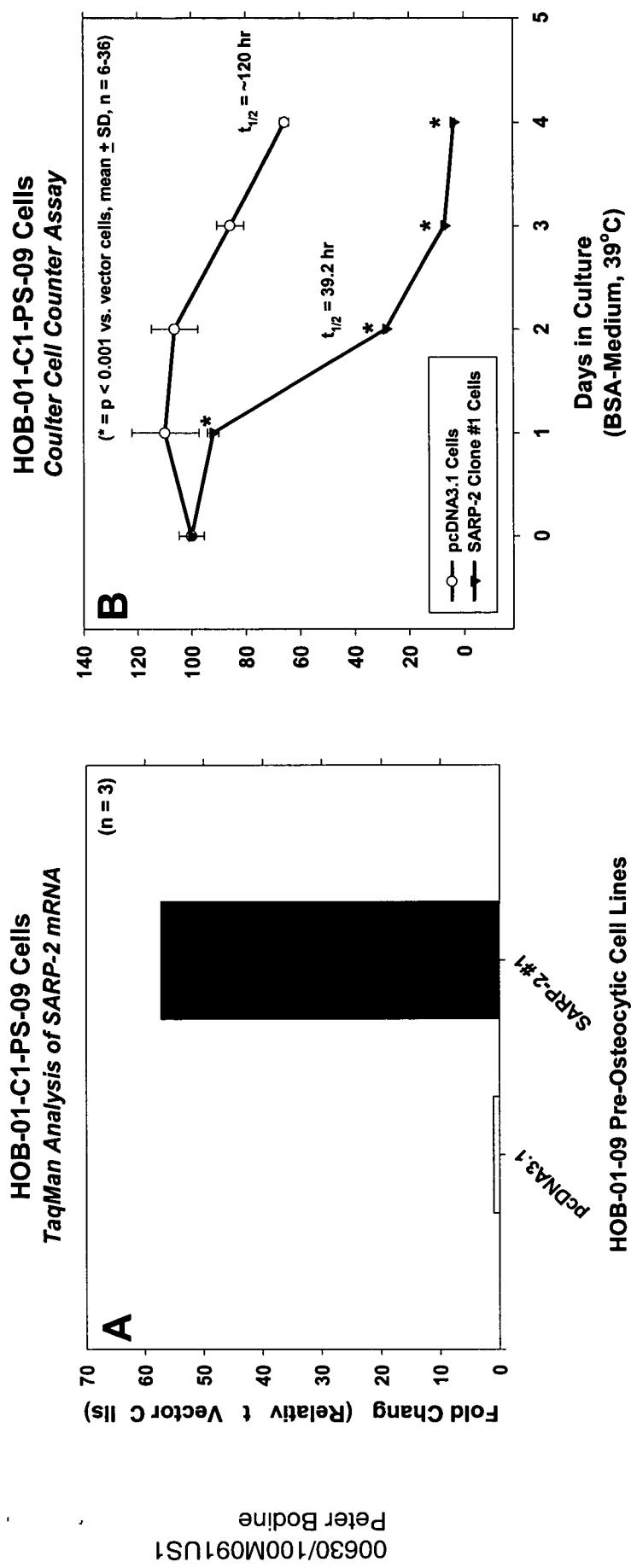


Figure 11: Use of human FRP-1/SARP-2 and the HOB Cells in a Screening Paradigm for an Anabolic Bone Agent

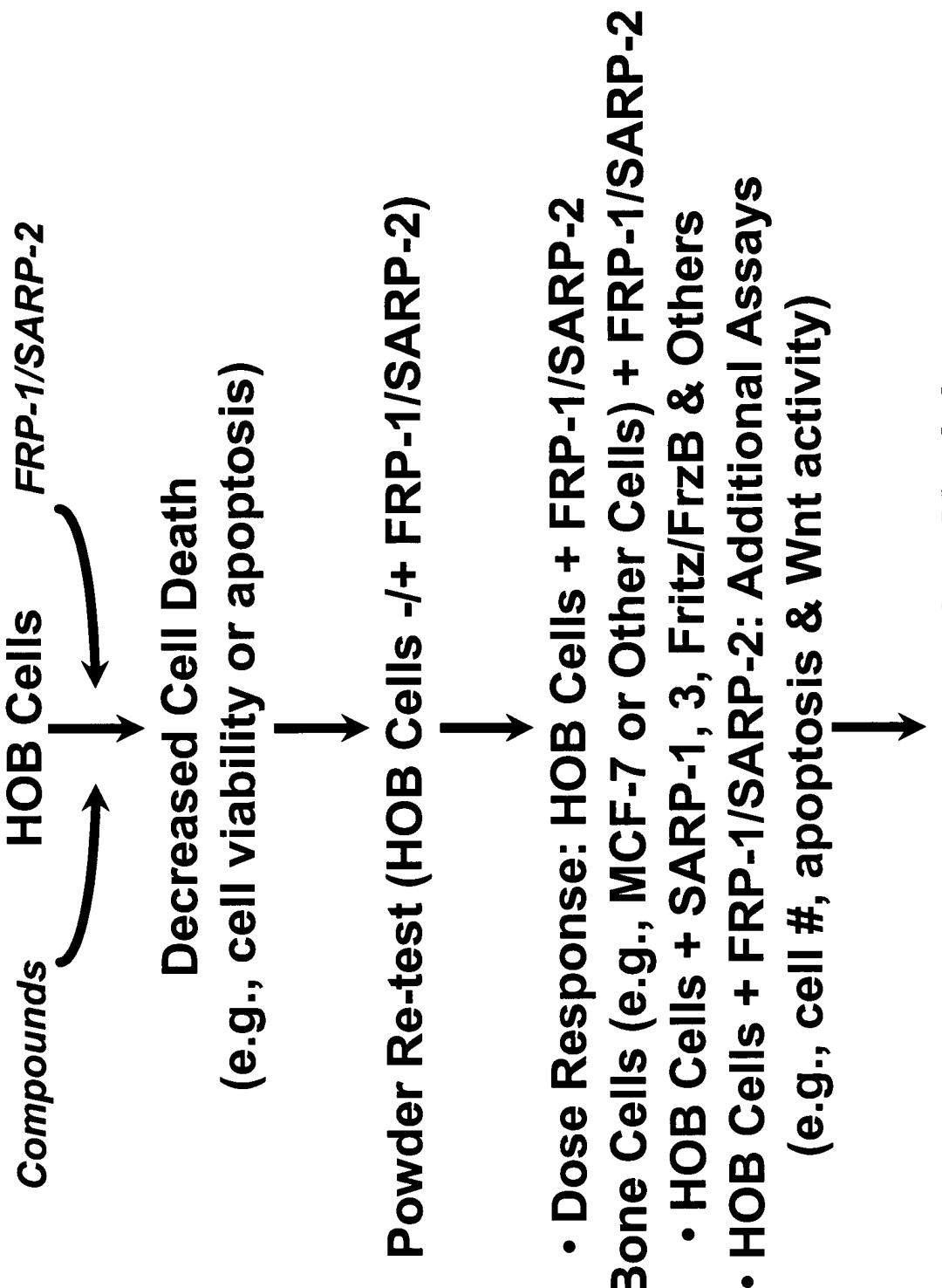
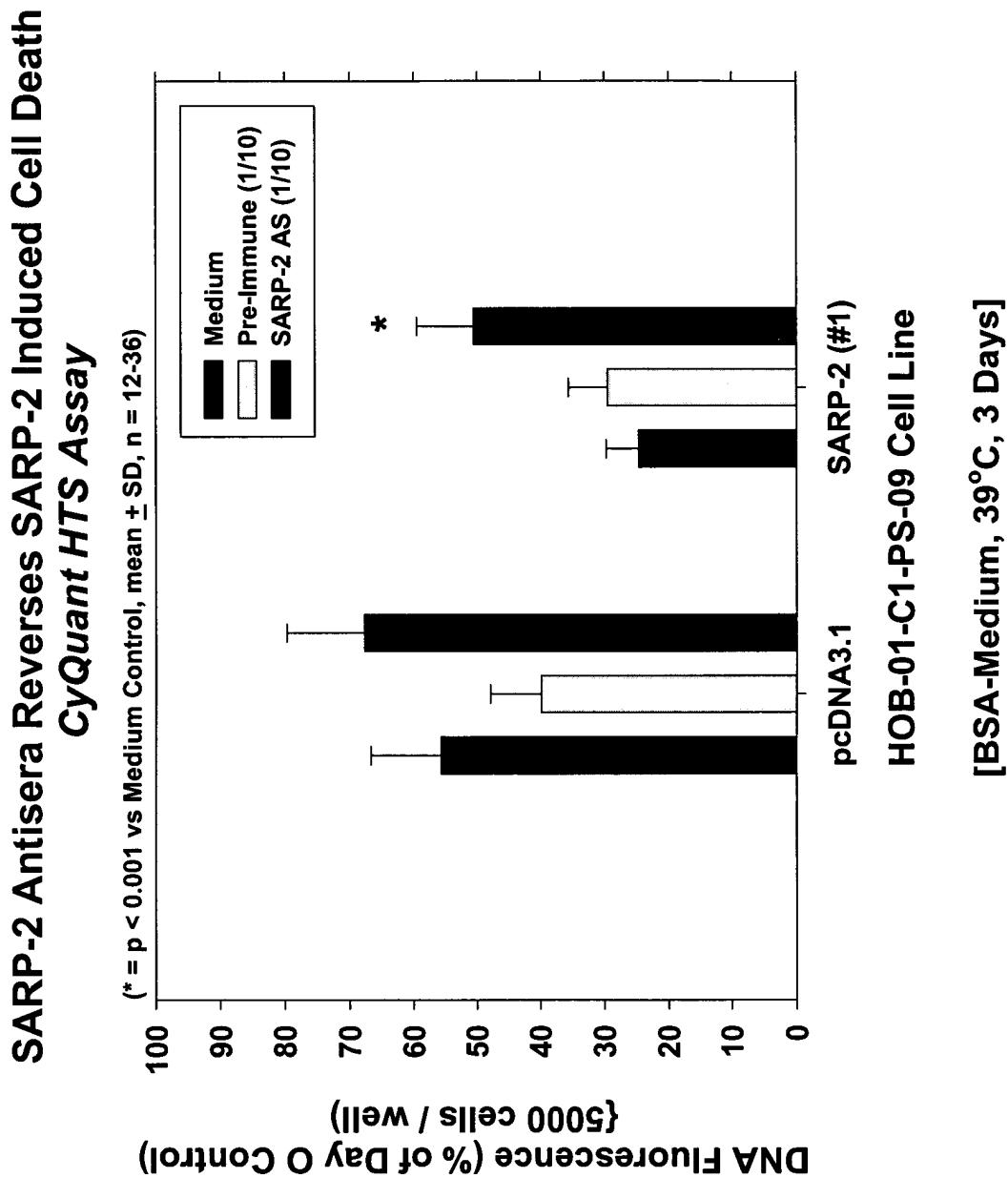
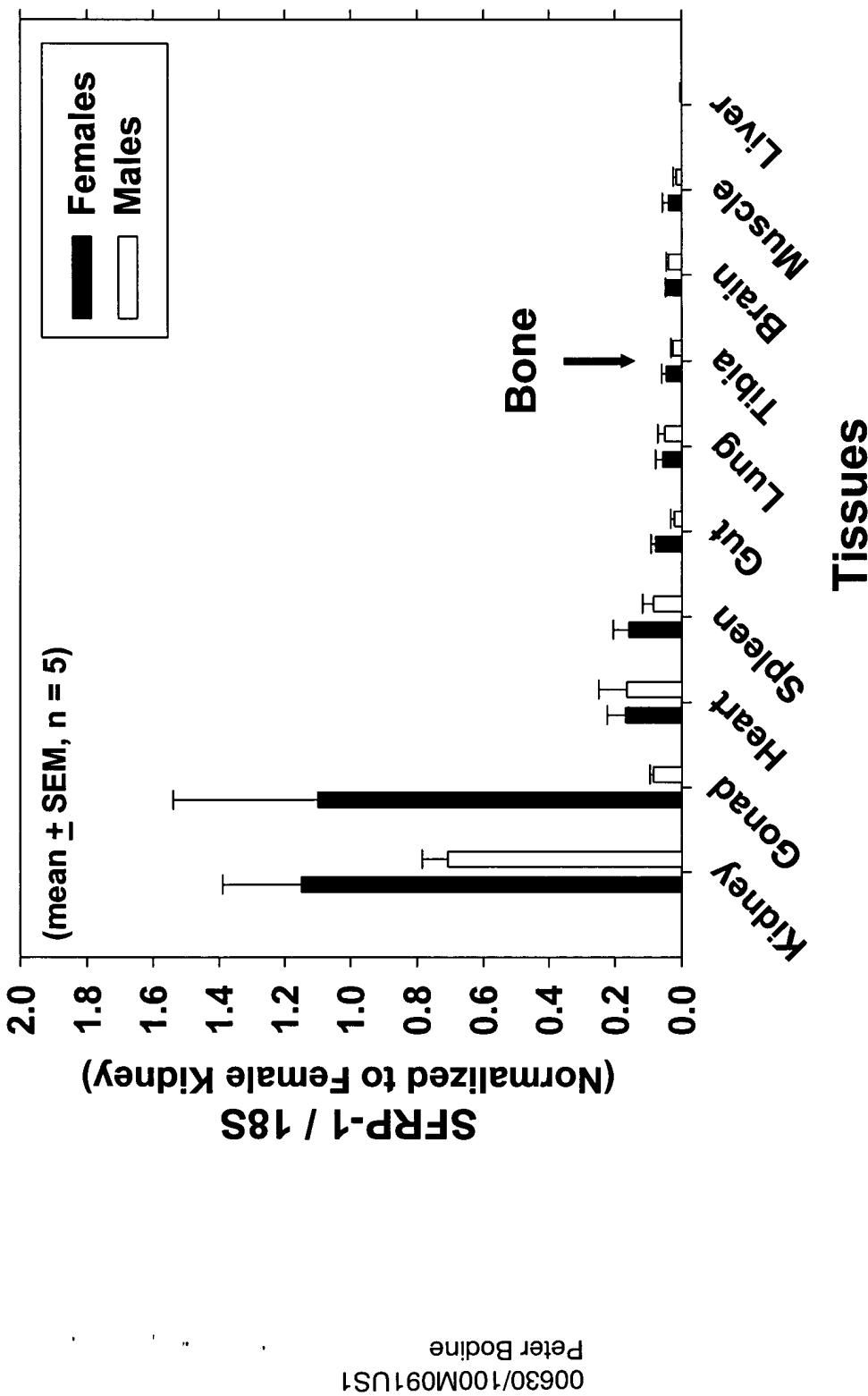


Figure 12



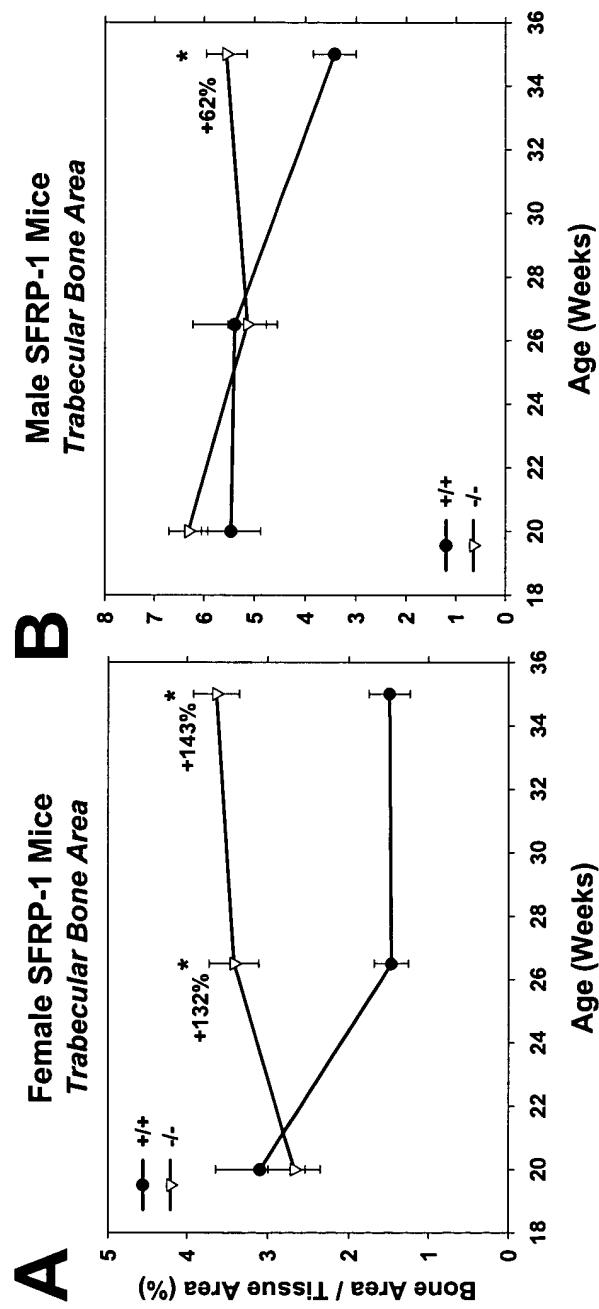
Relative Tissue Distribution of Mouse SFRP-1 TaqMan Quantitative RT-PCR Analysis of Total RNA

Figure 13
Wild-Type C57BL/6J Mouse Tissues



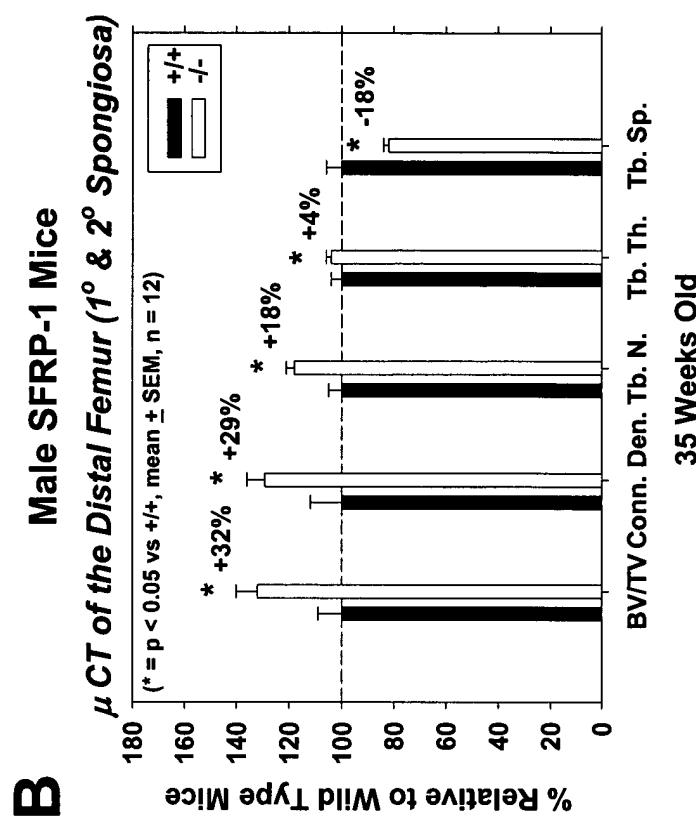
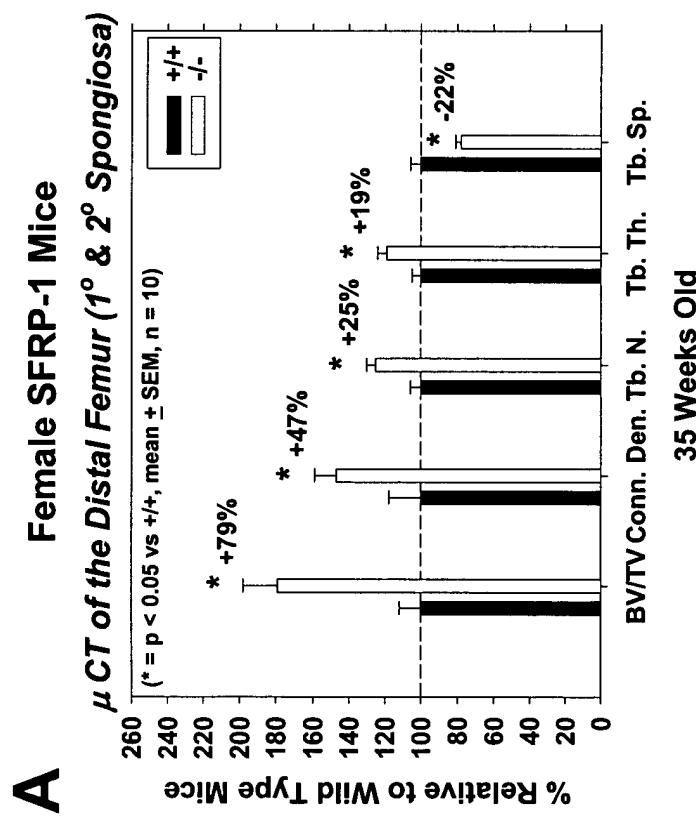
SFRP-1 mRNA is Highly Expressed in the Kidney & Ovary

Figures 14A and B



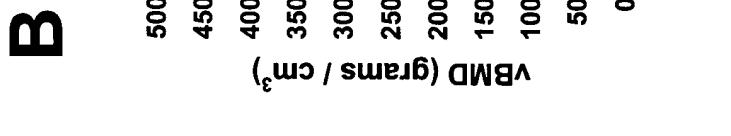
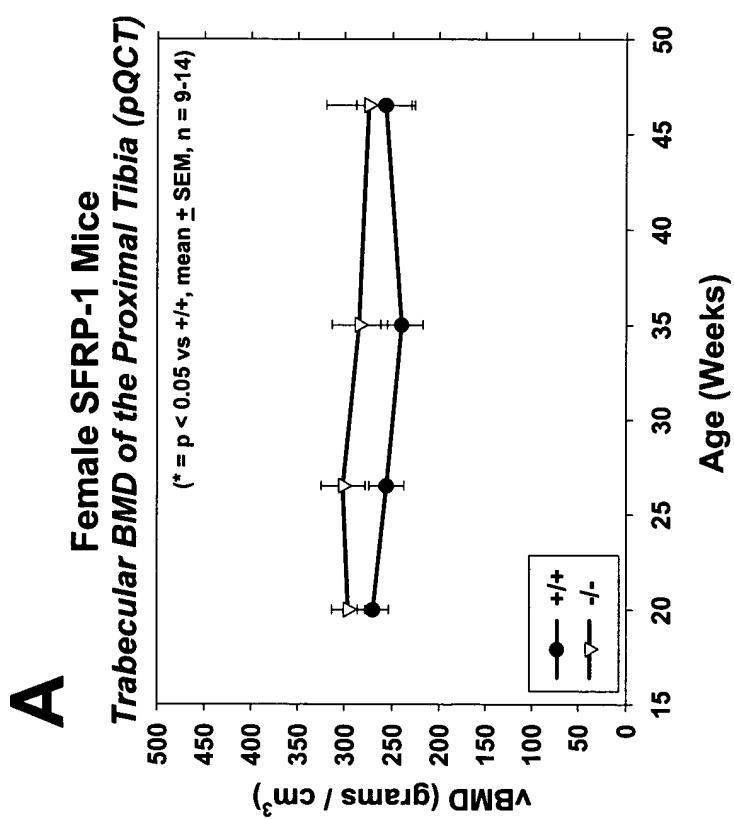
SFRP-1 KO Mice

Figure 15



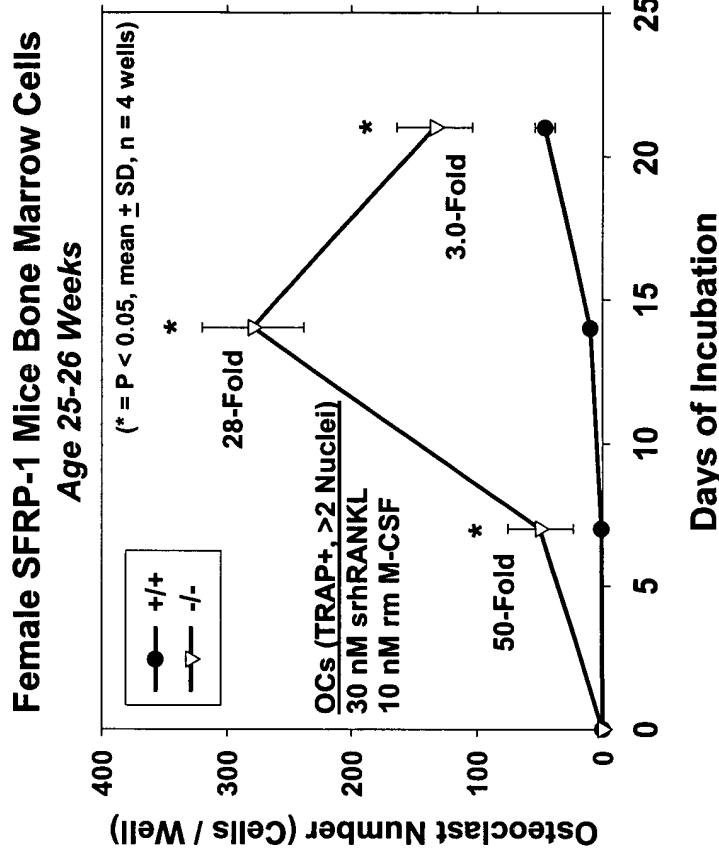
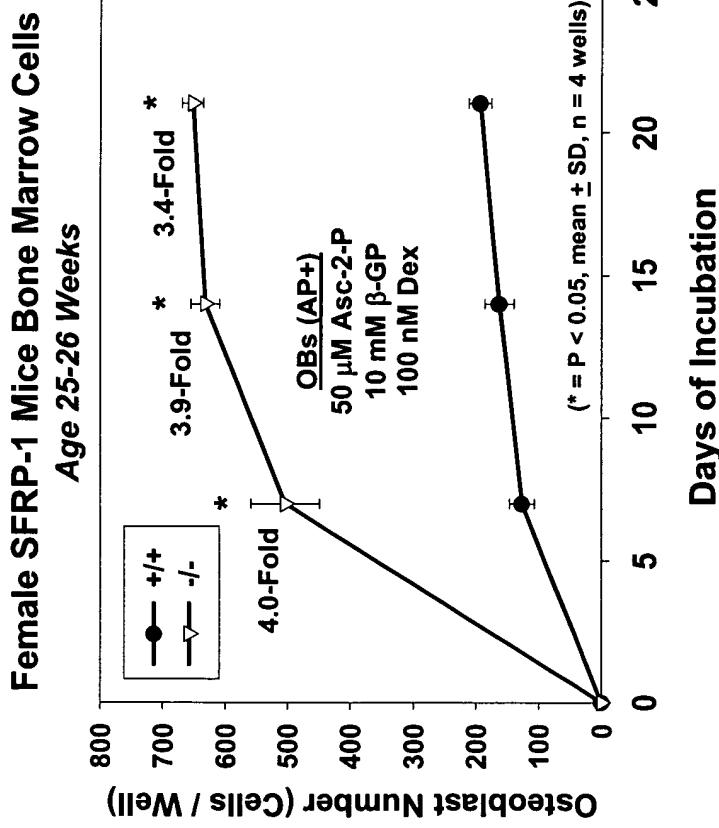
SFRP-1 KO Mice

Figure 16



SFRP-1 Knock-Out Mice *In Vitro Differentiation of Bone Marrow Cells*

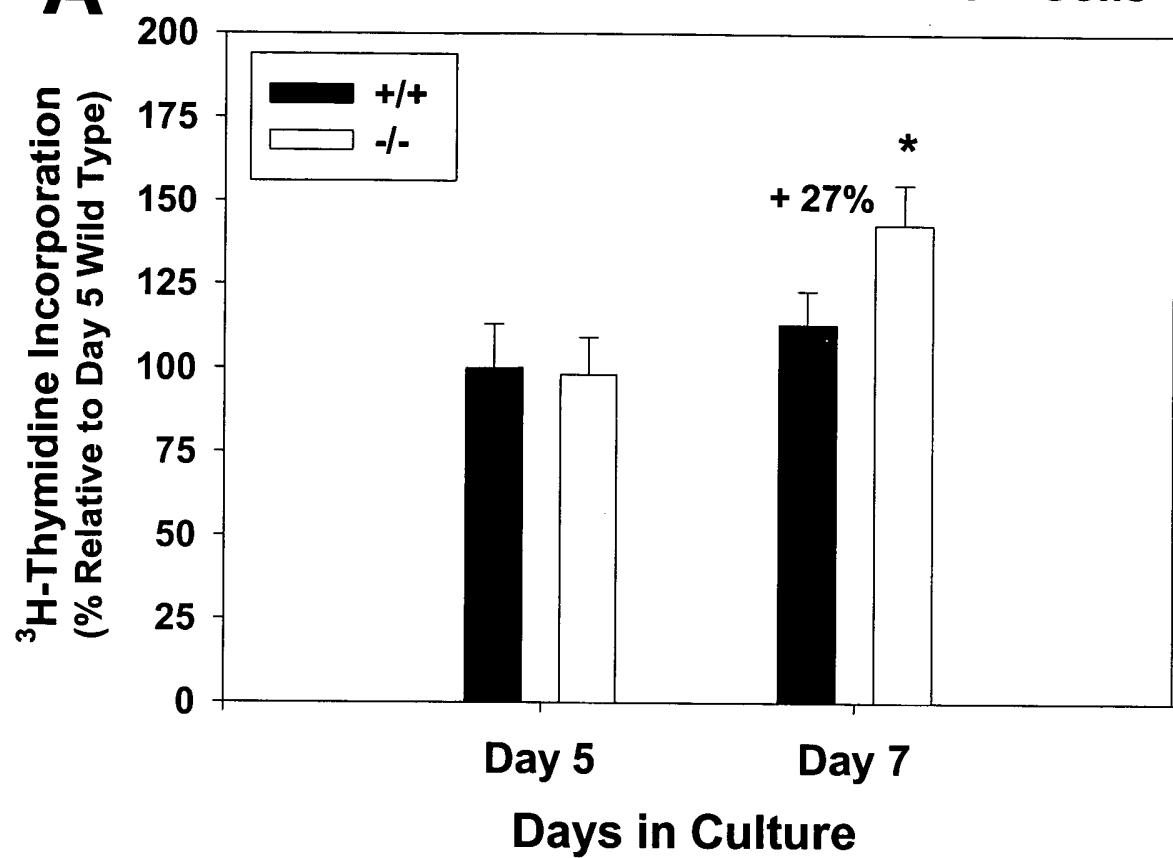
A Osteoblasts B Osteoclasts



**Deletion of SFRP-1 In Vivo Enhances
Osteoblast and Osteoclast Differentiation In Vitro**

Figure 17

A Female SFRP-1 Mice Bone Marrow Cells



B SFRP-1 Mice Calvarial Osteoblasts

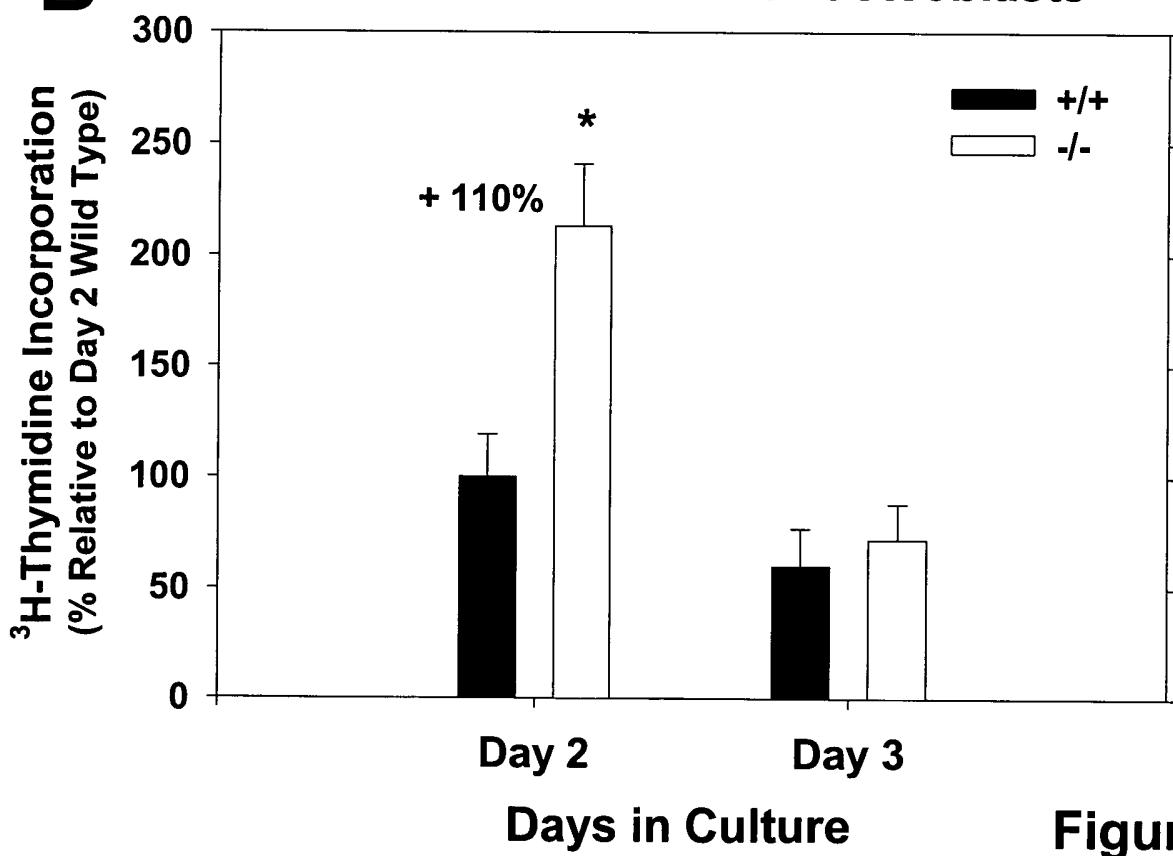


Figure 18